

CLAIMS

1 1. An audio program distribution arrangement for use in connection with a server in a home area
2 network, the audio program distribution arrangement being configured to distribute audio
3 programming over a local audio link, the audio program distribution arrangement comprising:
4 A. an audio programming information receiver module configured to receive audio
5 programming information from a plurality of sources;
6 B. an audio programming information assembler module configured to generate assembled
7 audio programming information by selectively assembling said audio programming
8 information as received by the audio programming information receiver module into a
9 selected set of frequencies for transmission over the local audio link; and
10 C. a control module configured to control the audio programming information receiver module
11 and the audio programming information assembler module.

12 2. An audio program distribution arrangement as defined in claim 1 in which the local audio link is
13 a wireless audio link.

14 3. An audio program distribution arrangement as defined in claim 2 further comprising a broadcast
15 arrangement configured to broadcasting the assembled audio programming information over the
16 wireless audio link.

17 4. An audio program distribution arrangement as defined in claim 3 in which said broadcast
18 arrangement comprises:

- A. a base module configured to receive the assembled audio programming information from the audio programming information assembler module and transmit the assembled audio programming information over a second selected set of frequencies;
- B. at least one remote module configured to receive the assembled audio programming information over the second selected set of frequencies and to convert the received assembled audio programming information to the first selected set of frequencies for broadcast over the wireless audio link.

5. An audio program distribution arrangement as defined in claim 4 in which the second selected set of frequencies is selected to be such that the base module can broadcast the assembled audio programming information thereover using a higher amount of power than is permitted over the first selected set of frequencies.

6. An audio program distribution arrangement as defined in claim 5 in which the first selected set of frequencies comprises the FM frequency band.

7. An audio program distribution arrangement as defined in claim 5 in which the second selected set of frequencies comprises an unlicenced frequency band in which personal broadcast is permitted.

8. An audio program distribution arrangement as defined in claim 7 in which the second selected set of frequencies comprises a frequency band proximate 900 MHZ.

1 9. An audio program distribution arrangement as defined in claim 4 in which the base module
2 comprises:

3 A. a base signal generator configured to receive the assembled audio program information and
4 modulate the received assembled audio program information onto the first set of frequencies;

5 B. a base mixer configured to receive the modulated assembled audio information generated by
6 the first signal generator and modulate the modulated assembled audio information onto the
7 second set of frequencies for broadcast to the at least one remote module.

1 10. An audio program distribution arrangement as defined in claim 9 in which the base module
2 further comprises an amplifier configured to amplify the twice modulated assembled audio
3 information generated by the base mixer prior to it being broadcast.

1 11. An audio program distribution arrangement as defined in claim 9 in which the base mixer is
2 configured to periodically shift the second set of frequencies within a selected frequency band.

1 12. An audio program distribution arrangement as defined in claim 4 in which the at least one remote
2 module comprises:

3 A. a remote receiver configured to receive the twice modulated assembled audio information
4 broadcast on the first selected set of frequencies;

5 B. a remote mixer configured to receive the twice modulated assembled audio information
6 received by the remote receiver and modulate the twice modulated assembled audio
7 information onto the first set of frequencies for broadcast over the wireless audio link.

1 13. An audio program distribution arrangement as defined in claim 12 in which the remote module
2 further comprises an amplifier configured to amplify the thrice modulated assembled audio
3 information generated by the remote mixer prior to it being broadcast.

1 14. An audio program distribution arrangement as defined in claim 12 in which the remote mixer
2 is configured to periodically shift the second set of frequencies within a selected frequency band.